

LAND APPLICATION SITE

TERESA L DICKS SITE

LUTLD 1-6

LUNENBURG COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: Lunenburg

Landowner: Teresa L. Dicks, Trustee

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids.
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days.
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Teresa L. Dicks, TRUSTEE
Landowner's Signature

7/14/2013
Date

Farm Operator Signature

Mailing Address & Phone Number

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 7-14-13 between Sue Harris & Michael G. Harris here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LYNENBURG CO. Kenbridge, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
TM 47(A), P 24			
TM 47(4), P 25			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

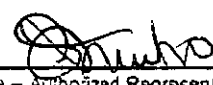
Sue G. Harris Sue G. Harris 4240 Harvard Ave, Greensboro NC 27407
Michael G. Harris Michael G. Harris 11542 Craig Hill Rd, Kenbridge VA 23944
Landowner - Printed Name, Title Signature (434-676-8047) Mailing Address & Phone Number

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

 PO Box 562 Remington, Virginia 22734
Permittee - Authorized Representative Signature Mailing Address
Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: Lunenburg

Landowner: Sue Harris & Michael Harris

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Sue L. Harris
Michael L. Harris
Landowner's Signature

7/14/13
Date

MICHAEL HARRIS
Farm Operator Signature

Mailing Address & Phone Number

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc.Site Name: Teresa L. DicksCounty or City: Lunenburg Co.

Please Print

Signature not required on this page

<u>Tax Parcel ID(s)</u>	<u>Landowners (s)</u>
TM47(4),P12 TM58(A),P65	Teresa L. Dicks Revocable Trust Teresa L. Dicks, Trustee
TM47(A),P24 TM47(A),P25 TM 47(4), P 5	M. Graham Harris & Sue G. Harris

FARM DATA SHEET

SITE NAME:	Teresa L. Dicks Site	COUNTY:	Lumenburg
OWNER:	See Attached	OPERATOR:	Michael Harris
OWNER'S ADDRESS:	See Attached	OPERATOR'S ADDRESS:	11592 Craig Mill Rd. Kembridge, Va. 23944
OWNER'S TELEPHONE:	See Attached	OPERATOR'S TELEPHONE:	(434) 676 - 8047
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	(434) 480 - 4416
# CATTLE:	37	EMAIL:	-----
LAGOON or SLURRY:	None	LATITUDE:	36° 55' 16" N
TOPO QUAD:	Kembridge West	LONGITUDE:	78° 08' 41" W
COMMENTS:			

5

Teresa L. Dicks Site
Lunenburg County

<u>Owner(s)</u>	<u>Tax Map and Parcel #</u>
Teresa L Dicks 709 Pleasant Way Chesapeake, Va. 23322 (210) 240 – 3763	TM – 58/ 47 Parcels – (A) 65/ (4) 12
Graham & Sue Harris 11592 Craig Mill Rd. Kenbridge, Va. 23944 (434) 676 – 8047	TM – 47 Parcels – (A) 24, 25 14> 5

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUTLD1	10.4	-	-	-	-	CM10	TM58(A), P65	T516 Field 1
LUTLD2	16.9	-	-	-	-	CM10	TM58(A), P65	T516 Fields 2,3,4,6
LUTLD3	15.0	-	-	-	-	CM10	TM58(A), P65	T516 Fields 5,7,8,9
LUTLD4	25.7	-	2D	-	-	CM10	TM47(4), P 5	T351 Fields 1,4
LUTLD 5	13.3	-	-	-	-	CM10	TM47(A),P24, 25	T351 Fields 6,7,8
LUTLD 6	23.7	-	-	-	-	CM10	TM47(4),P12	T15885 Fields 3,5,6
TOTAL ACRES IN SITE	105.0							

Report Number: 12-090-0507

Account Number: 70594



www.allabs.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DICKS/LUTLD
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 03/30/2012

Date Of Analysis: 04/02/2012

Date Of Report: 04/03/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	08919	1.5	L	76	129		VH		46	L	74	H	362	M			5.8	6.87	0.6	3.1
2	08920	1.2	L	70	100		H		30	VL	67	H	281	M			5.8	6.88	0.5	2.5
3	08921	1.2	L	70	77		H		30	VL	75	H	295	L			5.4	6.84	0.9	3.0
4	08922	1.3	L	71	79		H		50	L	90	H	351	M			5.9	6.88	0.5	3.2
5	08924	1.5	L	76	84		H		74	M	62	H	230	L			5.3	6.85	0.8	2.7

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ -N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
1	3.8	19.9	58.4		19.3																			
2	3.1	22.3	56.2		19.2																			
3	2.6	20.8	49.2		28.7																			
4	4.0	23.4	54.8		17.0																			
5	7.0	19.1	42.6		30.9																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-090-0507

Account Number: 70594



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A&L Eastern Laboratories

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SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DICKS/LUTLD
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 03/30/2012

Date Of Report: 04/03/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	1.5				6						
2	Adjust pH to 6.8	0	1.5				13						
3	Adjust pH to 6.8	0	1.8				5						
4	Adjust pH to 6.8	0	1.5				0						
5	Adjust pH to 6.8	0	1.8				18						

Comments:

Sample(s) 1, 2, 3, 5:

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Report Number: 12-090-0507
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		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	08925	1.4	L	75	139	VH			47	L	65	H	239	L			5.7	6.88	0.5	2.4

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum									
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
6	5.0	22.6	49.8		20.7																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGroary*

Paucic McGroary

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6	Adjust pH to 6.8	0	1.5				15						

Comments:

Sample(s) 6:

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGroary

Paucic McGroary

Nutrient Management Plan Balance Sheet
(Spring, 2013-Spring, 2014)

Teresa L. Dicks

~~**Blanner Harrison Moody (cert. No. 102)**~~

Tract: T351

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUTLD 4(N)	26/26	2013	Hay/Pasture	100-40-130	0/0				100-40-130	N/A			
0/LUTLD 5(N)	13/13	2013	Hay/Pasture	100-40-95	0/0				100-40-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T516

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUTDL 1(1P)	10/10	2013	Hay/Pasture	100-0-120	0/0				100-0-120	26			
0/LUTLD 2(N)	17/17	2013	Hay/Pasture	100-40-130	0/0				100-40-130	N/A			
0/LUTLD 3(N)	15/15	2013	Hay/Pasture	100-40-130	0/0				100-40-130	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T15885 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUTLD 6(1P)	24/24	2013	Hay/Pasture	100-0-120	0/0				100-0-120	26			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
T351	LUTLD 4	26	2013-Sp	H (79 P ppm)	L+ (50 K ppm)	A&L MIII	5.9		
T351	LUTLD 5	13	2013-Sp	H (84 P ppm)	M (74 K ppm)	A&L MIII	5.3		
T516	LUTLD 1	10	2013-Sp	VH (129 P ppm)	L+ (46 K ppm)	A&L MIII	5.8		
T516	LUTLD 2	17	2013-Sp	H (100 P ppm)	L (30 K ppm)	A&L MIII	5.8		
T516	LUTLD 3	15	2013-Sp	H (77 P ppm)	L (30 K ppm)	A&L MIII	5.4		
T15885	LUTLD 6	24	2013-Sp	VH (139 P ppm)	L+ (47 K ppm)	A&L MIII	5.7		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
T351	0/0	LUTLD 4*	26	Appling	V	IV II	III	IV	High Leaching, High Slope
	0/0	LUTLD 5*	13	Appling	IVb	III II	III	IV	High Leaching, High Slope
T516	0/0	LUTLD 1	10	Appling	IVb	IV II	III	IV	
	0/0	LUTLD 2	17	Appling	IVb	IV II	III	IV	
	0/0	LUTLD 3	15	Appling	IVb	IV II	III	IV	
T15885	0/0	LUTLD 6	24	Appling	IVb	IV II	III	IV	

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	≥170	≥80	≥64	≥6	≥4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	≤4	3.0-3.5
IV	100-130	50-60	40-48	NA	≤3.0
V	≤100	≤50	≤40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2013 - Spring, 2017

Farm Name: Teresa L. Dicks
Location: Lunenburg
Specialist: Harrison Moody
N-based Acres: 70.9
P-based Acres: 34.1

Tract Name: T351
FSA Number: 0
Location: Lunenburg

Field Name: LUTLD 4
Total Acres: 25.70 Usable Acres: 25.70
FSA Number: 0
Tract: T351
Location: Lunenburg
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.9	H(79 P ppm)	L+(50 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
59	1B2	Appling
13	1C2	Appling
4	2C	Ashlar
22	2D	Ashlar
2	23D2	Wedowee

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with percent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	1.7 * ton	Hay/Pasture - No Till

Field Name: LUTLD 5

Total Acres: 13.30 Usable Acres: 13.30

FSA Number: 0

Tract: T351

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.3	H(84 P ppm)	M(74 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
37 1B	1B2 App	Appling
14 1C	1C2 App	Appling
16 2	2D Ashl	Ashlar
4	6 August	Augusta Chewacla Toccoa
21 15	15B Mas	Masada
8 230	23D2 W	Medowee

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	1.9 * ton	Hay/Pasture - No Till

Tract Name: T516

FSA Number: 0

Location: Lunenburg

Field Name: LUTLD 1

Total Acres: 10.40 **Usable Acres:** 10.40

FSA Number: 0

Tract: T516

Location: Lunenburg

Slope Class: B **Hydrologic Group:** B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.8	VH(129 P ppm)	L+(46 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
79	1B2	Appling
21	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	1.7 ton	Hay/Pasture - No Till

Field Name: LUTLD 2

Total Acres: 16.90 Usable Acres: 16.90

FSA Number: 0

Tract: T516

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0 R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.8	H(100 P ppm)	L(30 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
71	1B2	Appling
29	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	1.7 ton	Hay/Pasture - No Till

Field Name: LUTLD 3

Total Acres: 15.00 Usable Acres: 15.00

FSA Number: 0

Tract: T516

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.4	H(77 P ppm)	L(30 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
76	1B2	Appling
24	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	1.7 * ton	Hay/Pasture - No Till

Tract Name: T15885

FSA Number: 0

Location: Lunenburg

Field Name: LUTLD 6

Total Acres: 23.70 Usable Acres: 23.70

FSA Number: 0

Tract: T15885

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:
Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.7	VH(139 P ppm)	L+(47 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
70	1B2	Appling
30	1C2	Appling

Field Warnings:

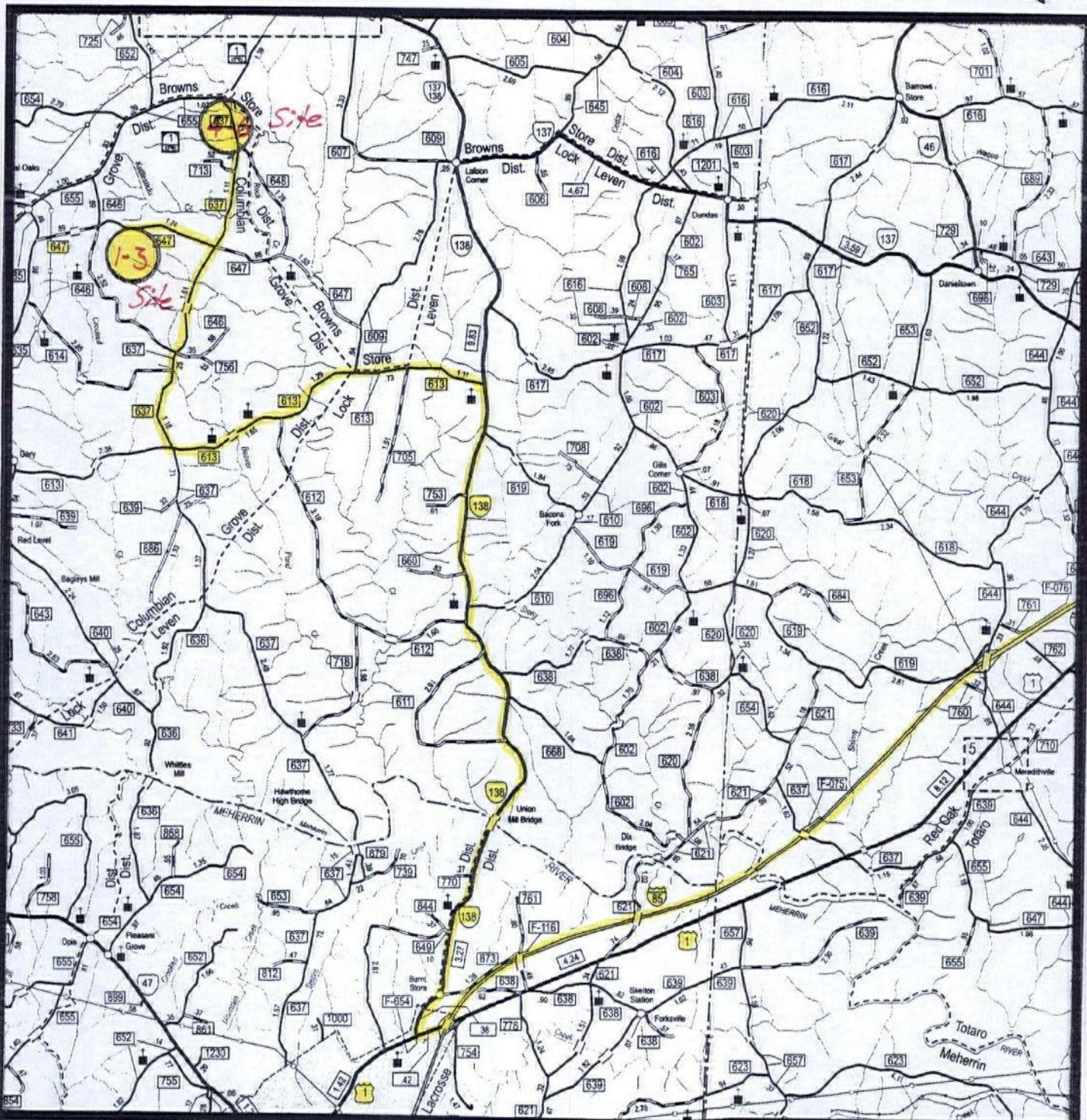
Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	1.7 ton	Hay/Pasture - No Till

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

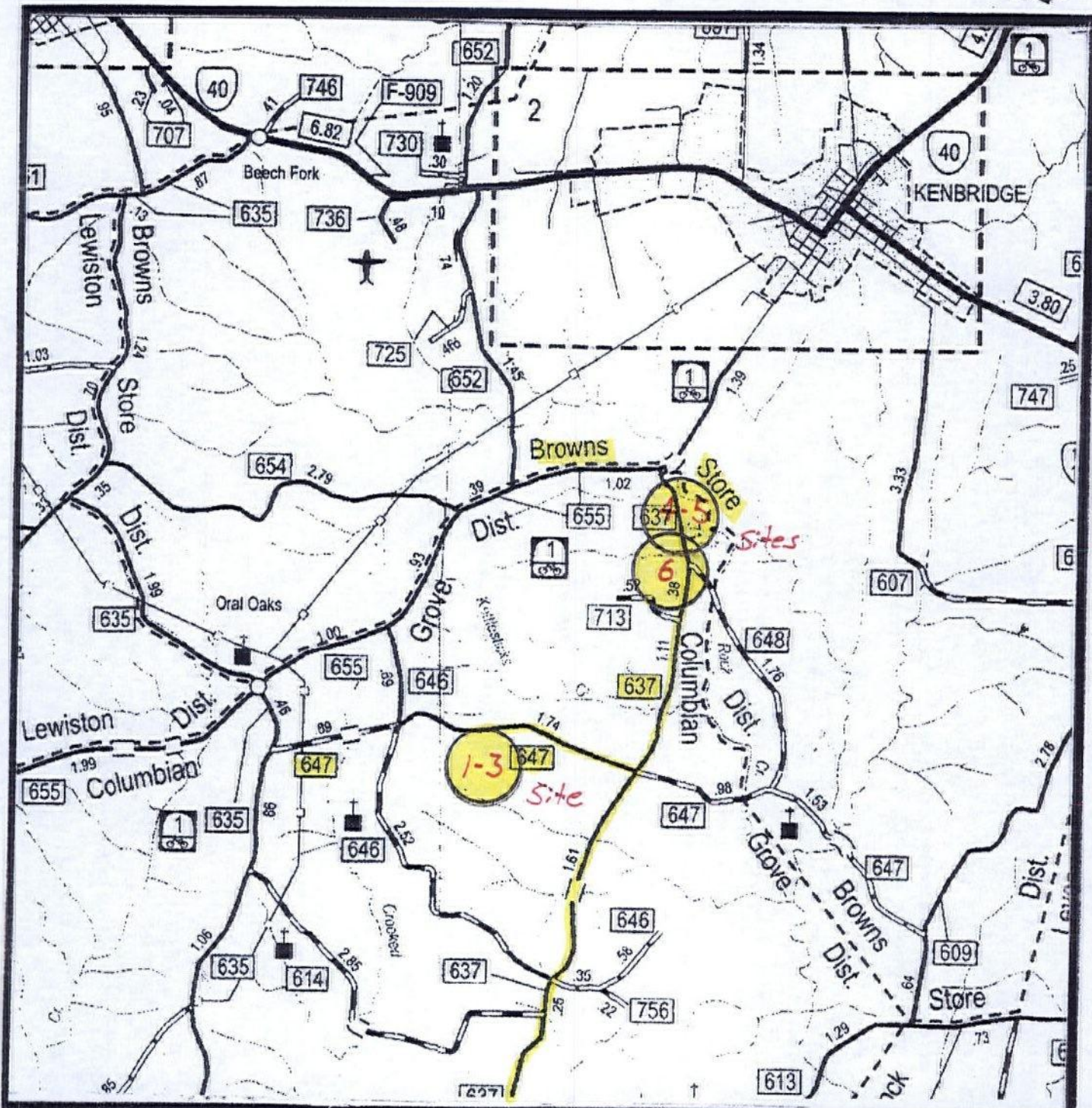
LUTLD 1-6

VICINITY MAP



Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

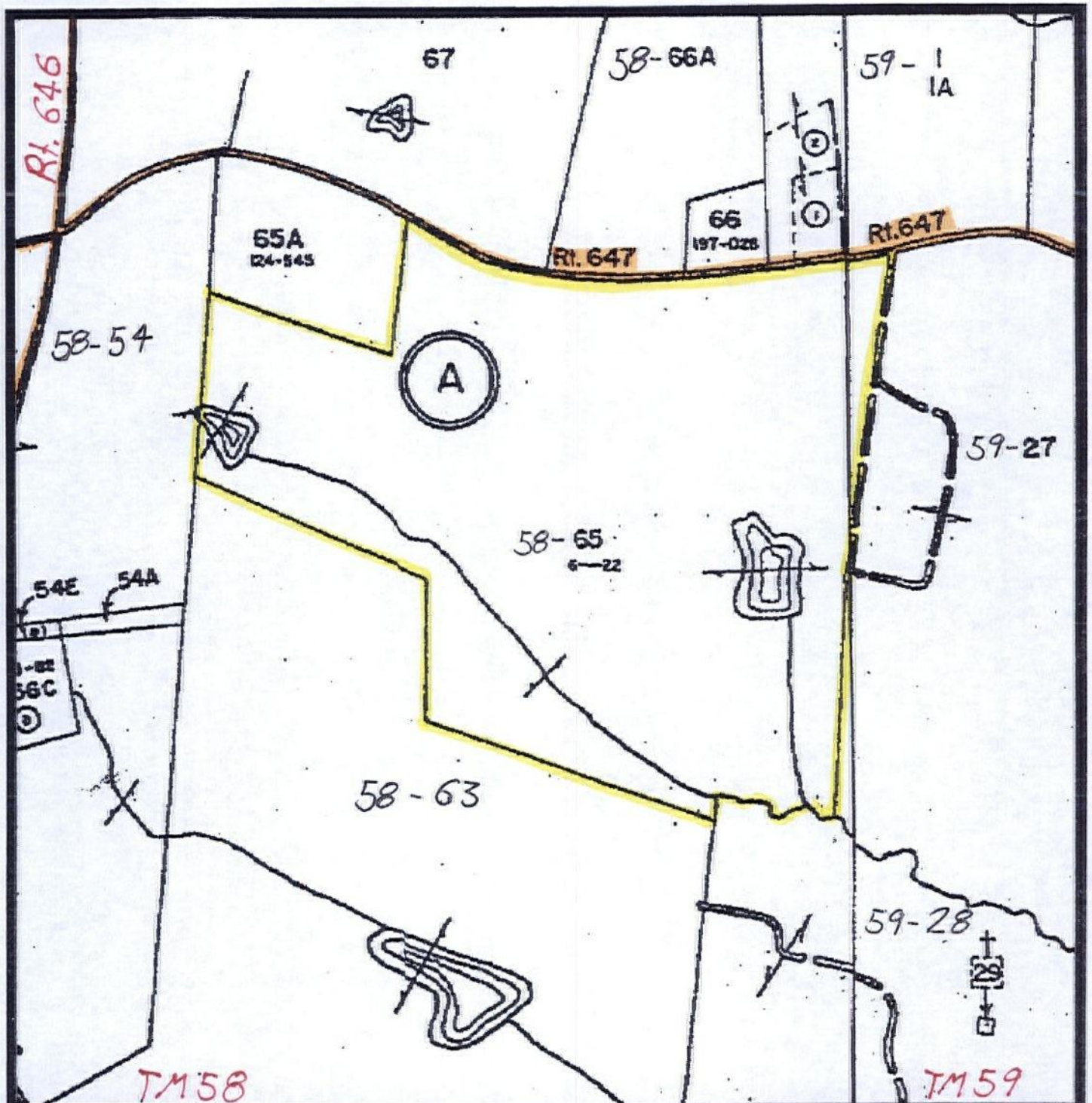
LUTLD 1-6

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

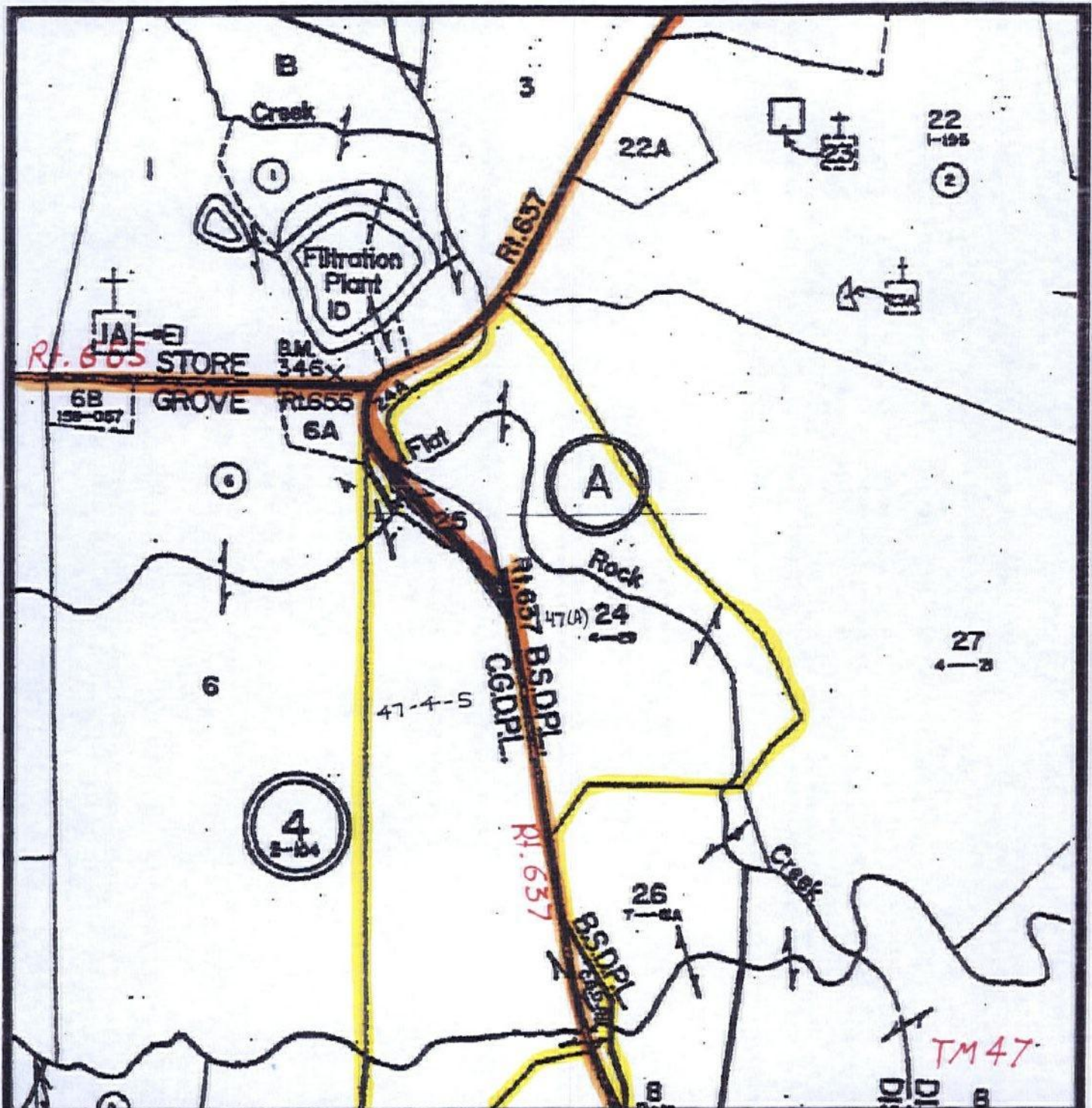
LUTLD 1-3

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

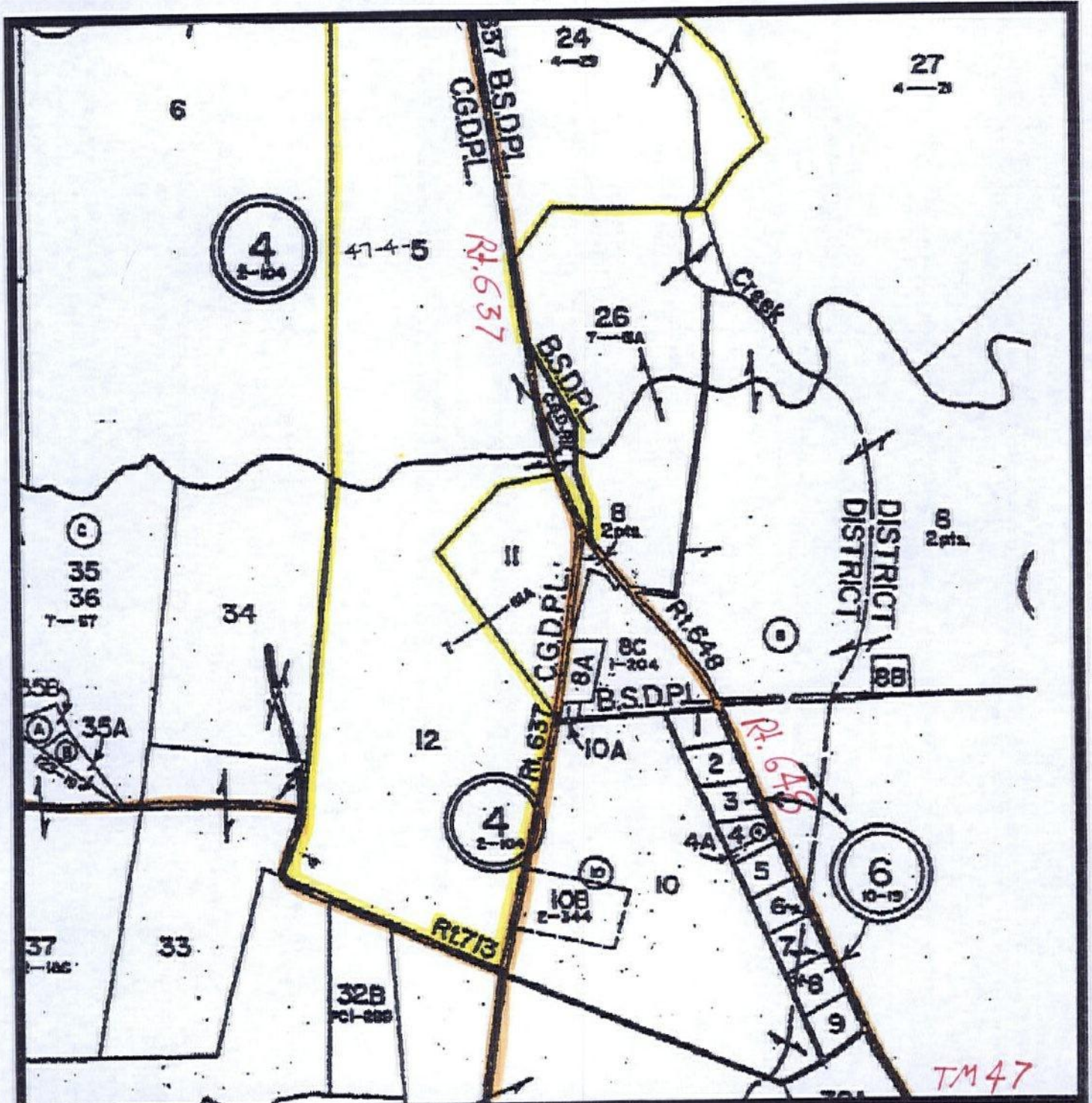
LUTLD 4, 5

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUTLD 4-6

TAX MAP

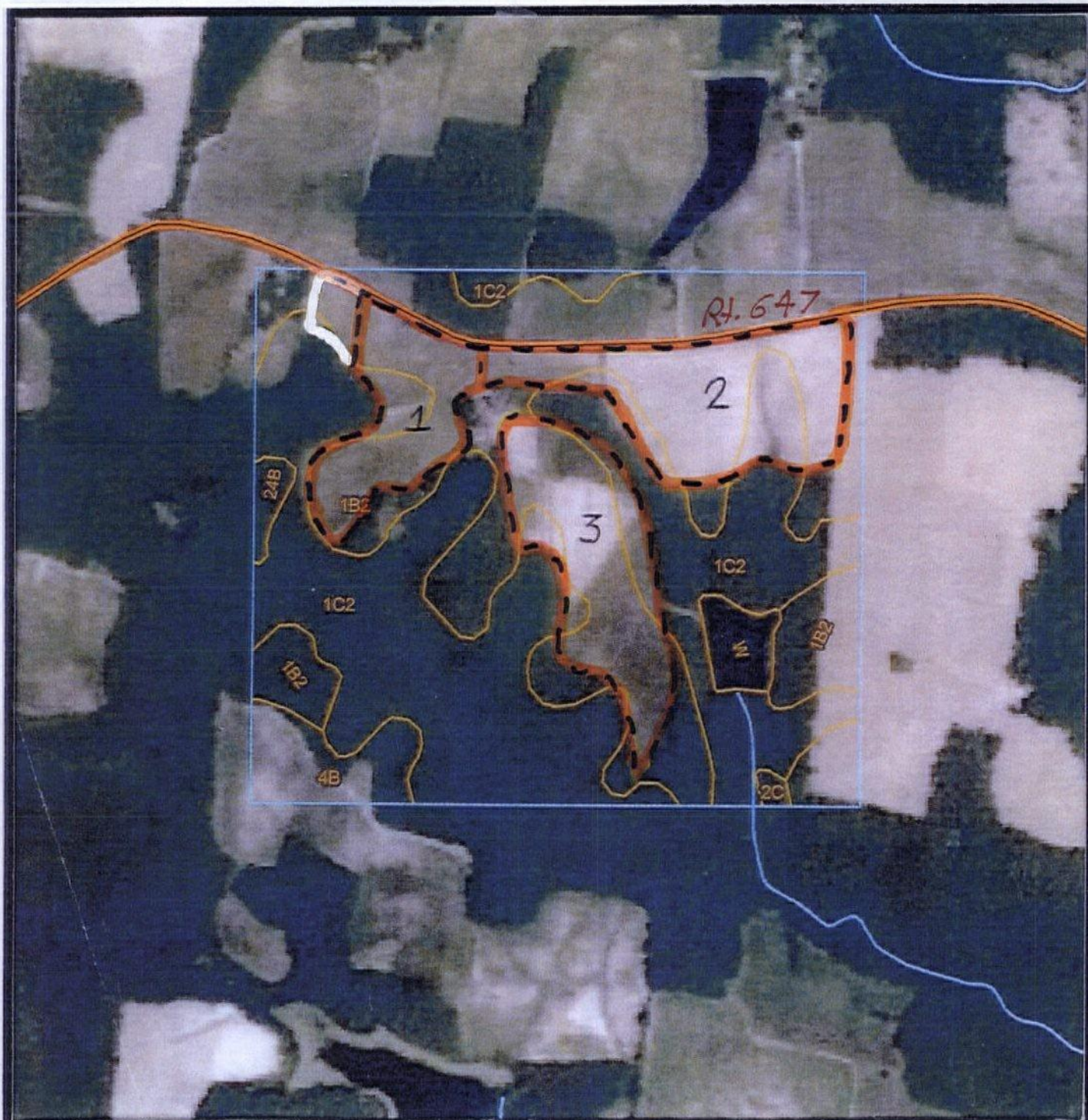


ADJOINING LANDOWNERS

Teresa L Dicks

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
47	(A) 3	F 13 LLC
47	(A) 24A	Town of Kenbridge
47	(A) 25	Sue G. Harris & Michael G. Harris
47	(A) 26	James L. Jones
47	(A) 27B	H. Bagley & Nancy B. Hawthorne
47	(A) 31	Samuel Randolph & Nelda S. Hoye
47	(A) 32	Ruth Handell
47	(A) 32B	Richard Dennis Jr. & Bonnie R. Slaughter
47	(A) 33	W. W. Hopson
47	(4) 5	Sue G. Harris & Michael G. Harris
47	(4) 6	Bernard R. & Barbara D. Arthur
47	(4) 6A	Lillian M. Hazelwood
47	(4) 8	Nancy B. Hawthorne
47	(4) 10	S. Y. Johnson
47	(4) 11	S. Y. Johnson
47	(4) 12	Teresa L. Dicks
47	(4) 24	Sue G. Harris & Michael G. Harris
47	(9) 3	Barbara A. Bissrup & Camile Stanley Carter
47	(9) 4	Charlie Hopson Estate
47	(9) 5	Ernestine H. Tillman & Orla Stanley Hopson
58	(A) 54	Dixie Lee Fann
58	(A) 63	Dixie Lee Fann
58	(A) 65	Teresa L. Dicks
58	(A) 65A	Buford H. & Mary M. Cabanis
58	(A) 67	Johnny K. Long
58	(A) 66	Howard D. Lee
58	(A) 66A	Johnny K. Long
58	(A) 66B	Ronald E. Long
59	(A) 11A	Stephen P. & Wendy A. Lindberg
59	(A) 27	Dixie Lee Fann
59	(A) 28	John H. & Patricia S. Wasburn



Scale: 1 inch = 660 feet

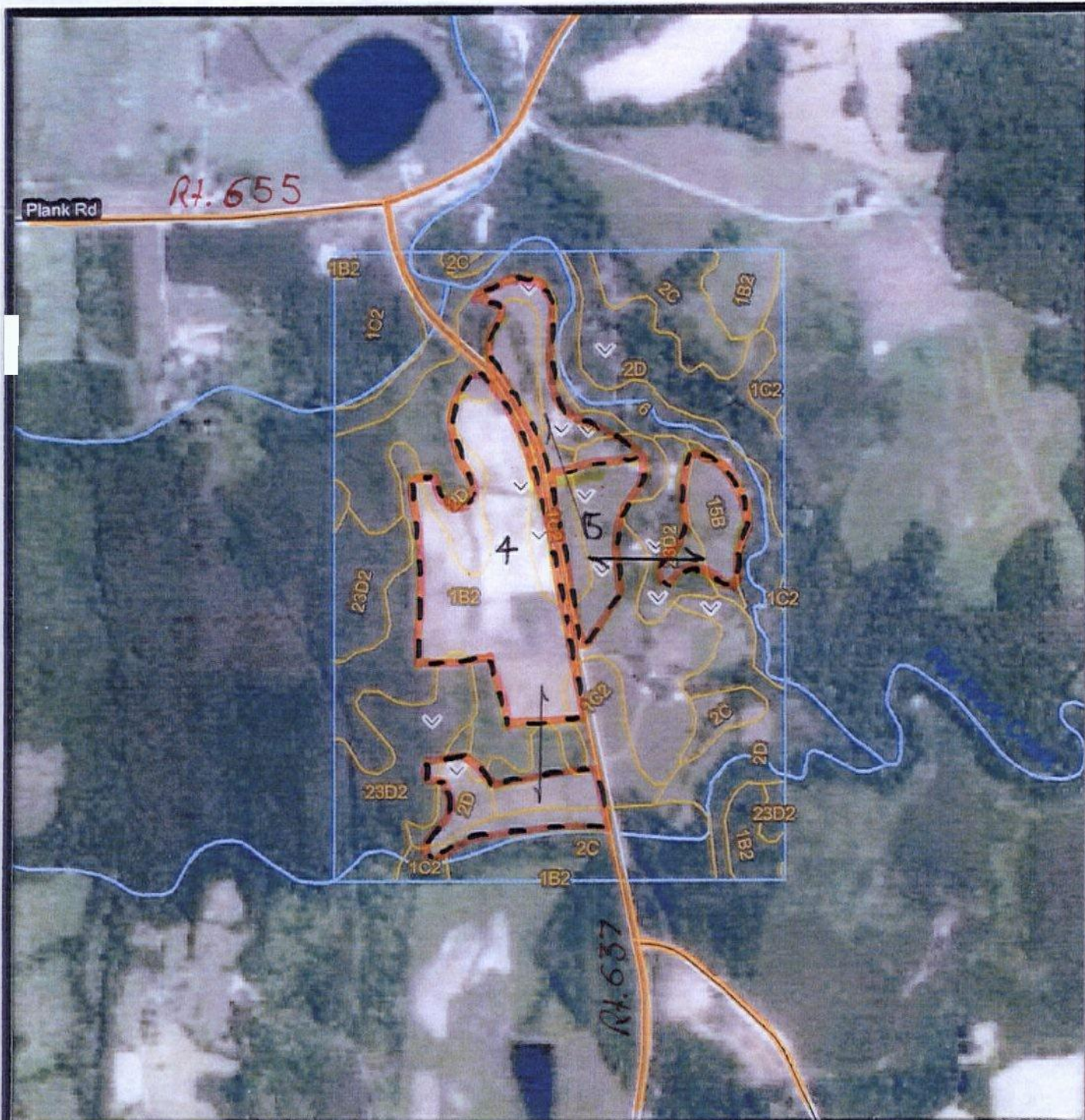
LUTLD 1-3

SOIL MAP



Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUTLD 4, 5

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)

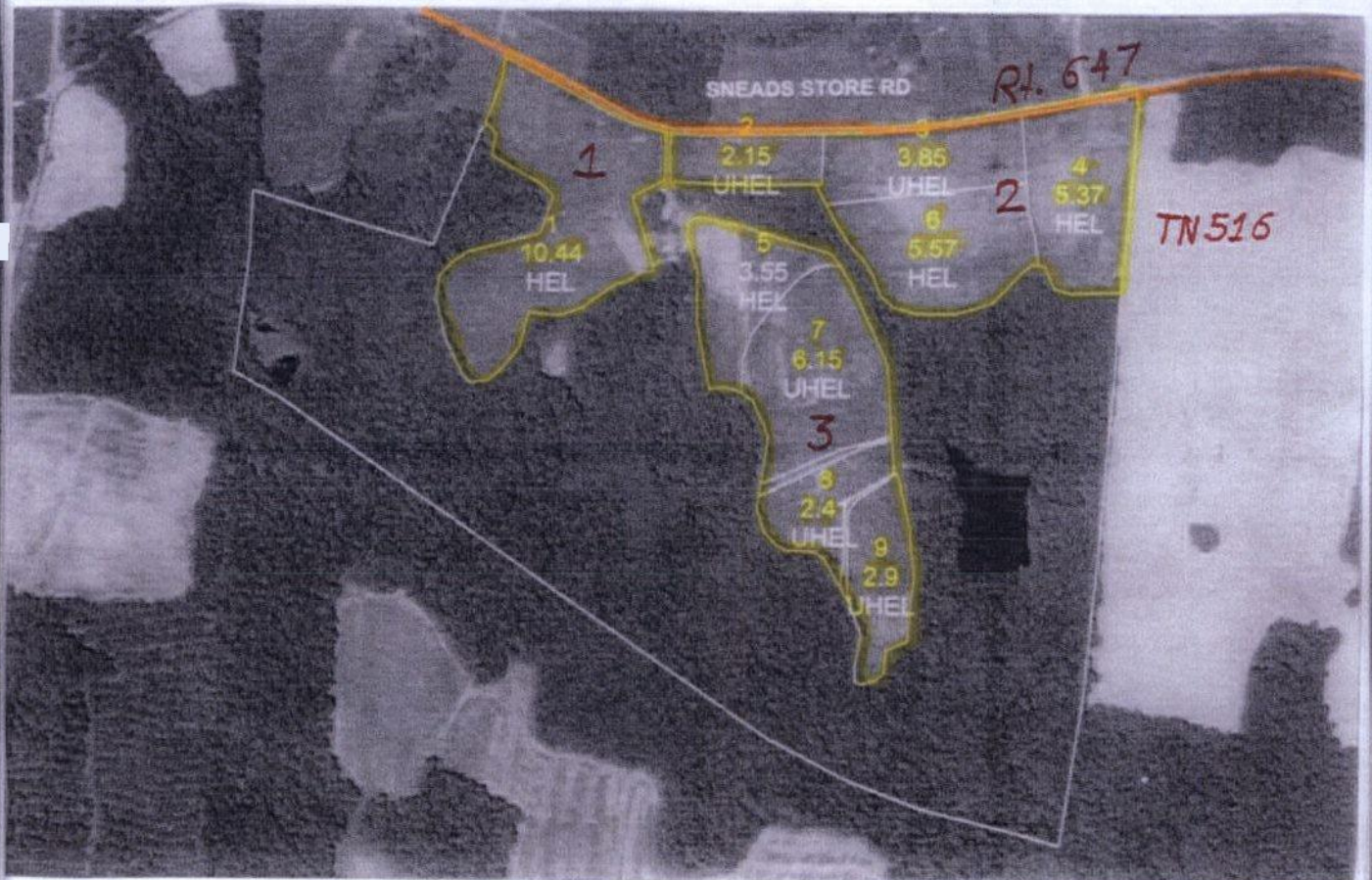


Scale: 1 inch = 660 feet

LUTLD 6

SOIL MAP



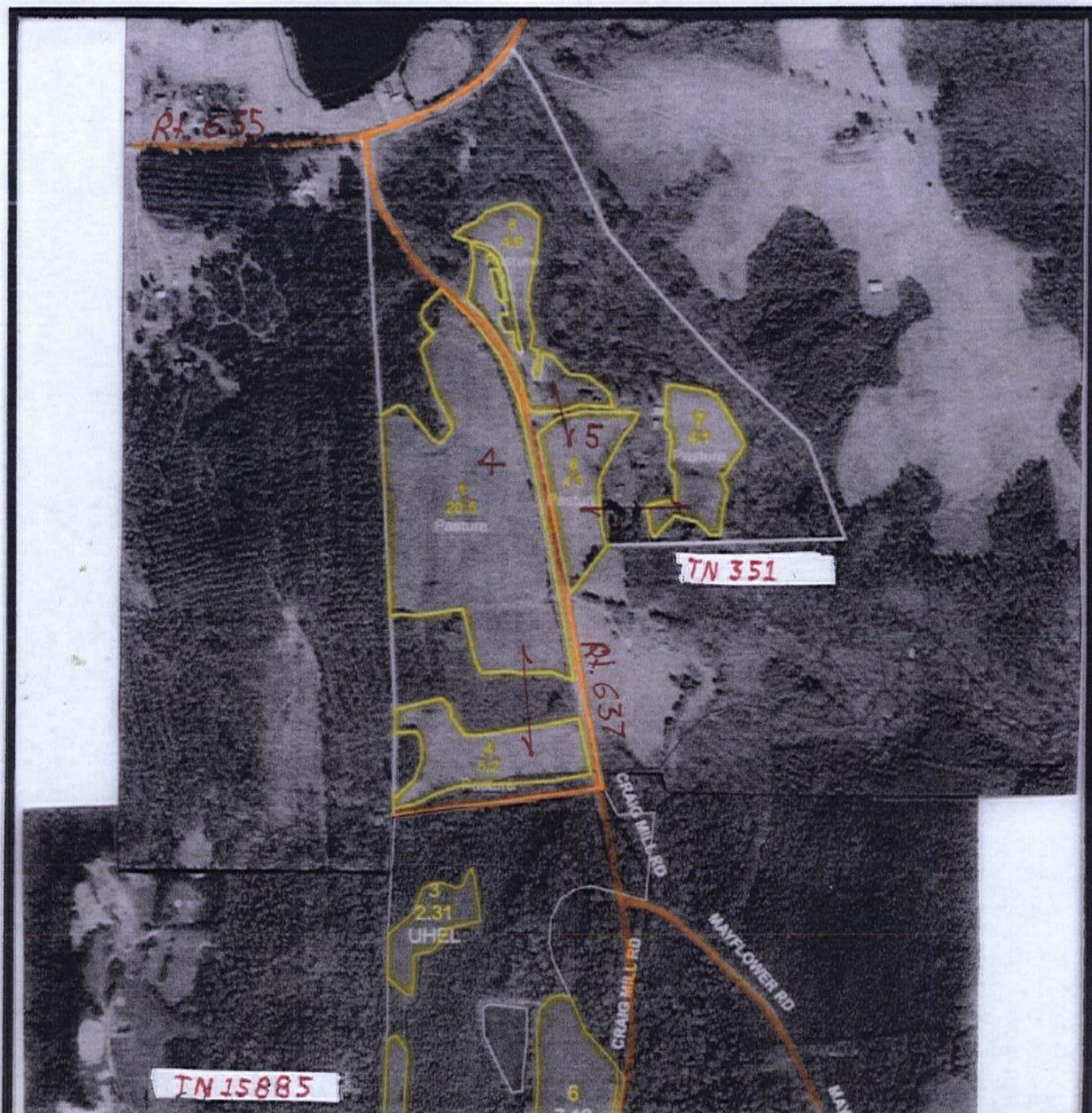


Scale: 1 inch = 660 feet

LUTLD 1-3

AERIAL MAP





Scale: 1 inch = 660 feet

LUTLD 4, 5

AERIAL MAP























Scale: 1 inch = 660 feet

LUTLD 4-6

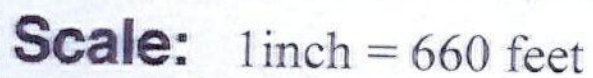
AERIAL MAP



Legend for Site Plan

	House and Well
 	Well / Spring
 	Perennial Streams & Surface
	Wet Spot
	Intermittent Stream / Drainage
	Trees and Woods
	Private Drive
	Rock / Rocky Area
	Sinkhole
	Severely Eroded Spot
	State Road
  }	Field Boundary / Fence
	Property Line
	Slope
	Frequent Flooded Soil

Inc.

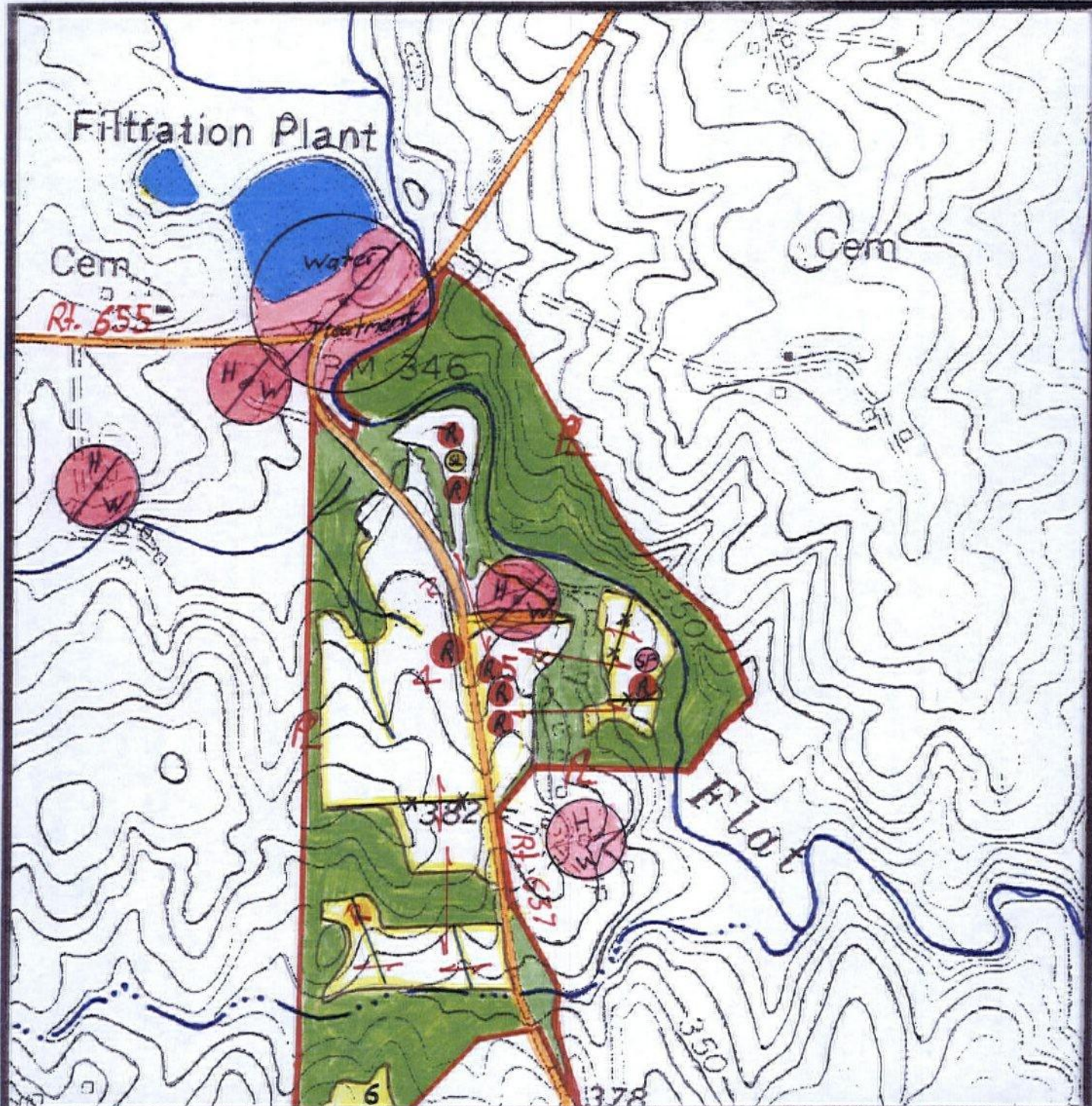


SITE PLAN



Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

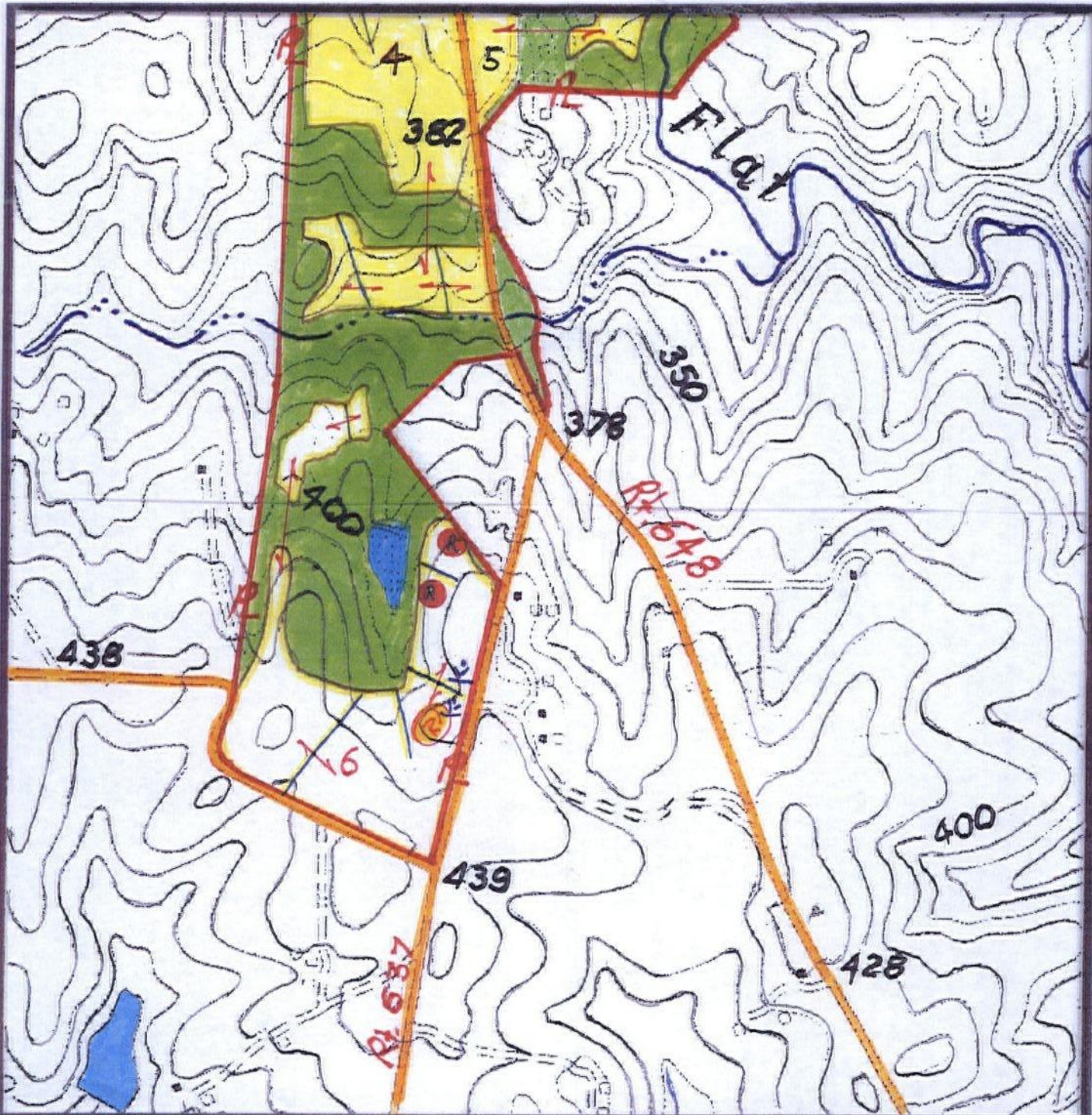
LUTLD 4, 5

SITE PLAN



Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

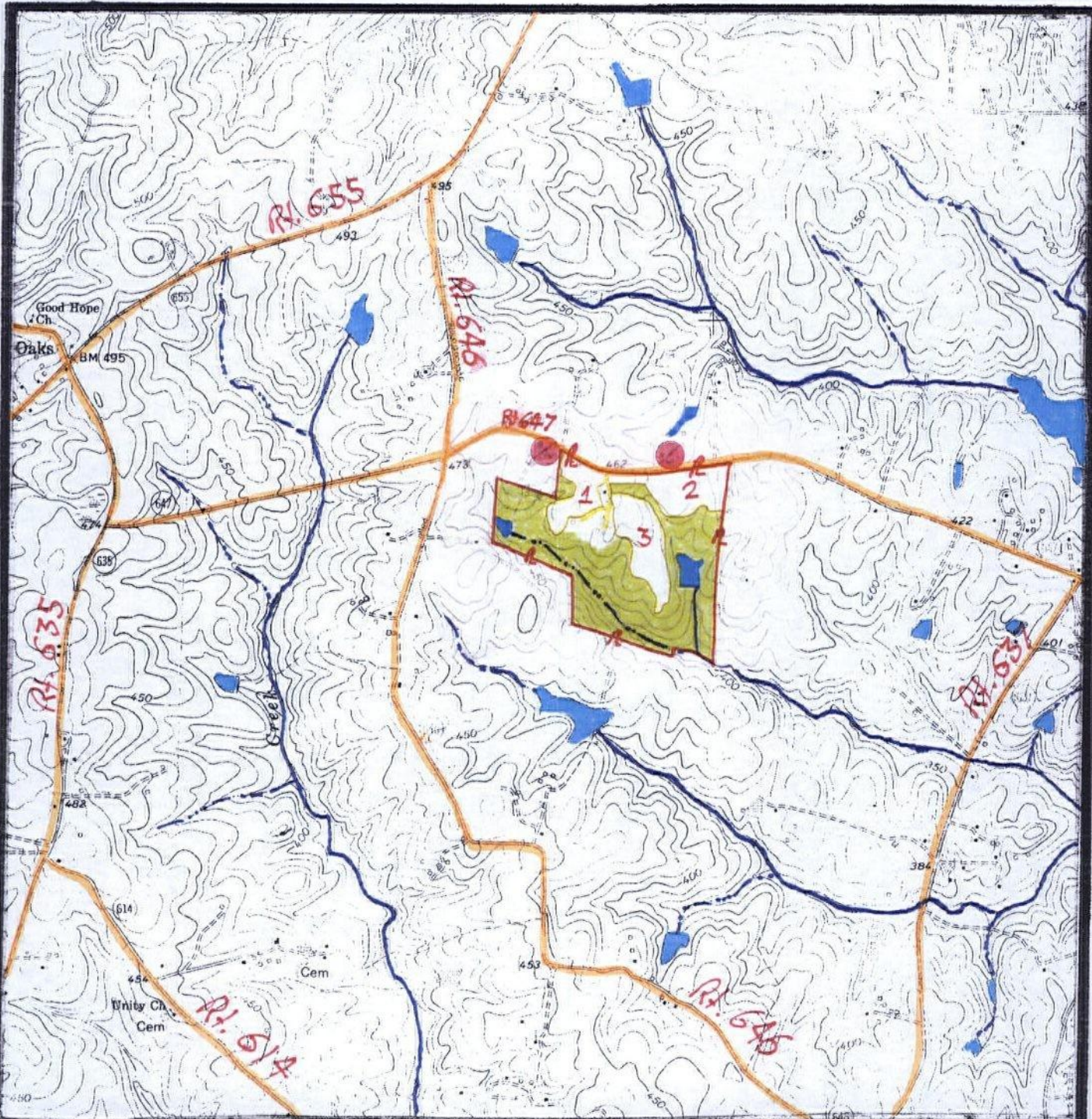
LUTLD 6

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

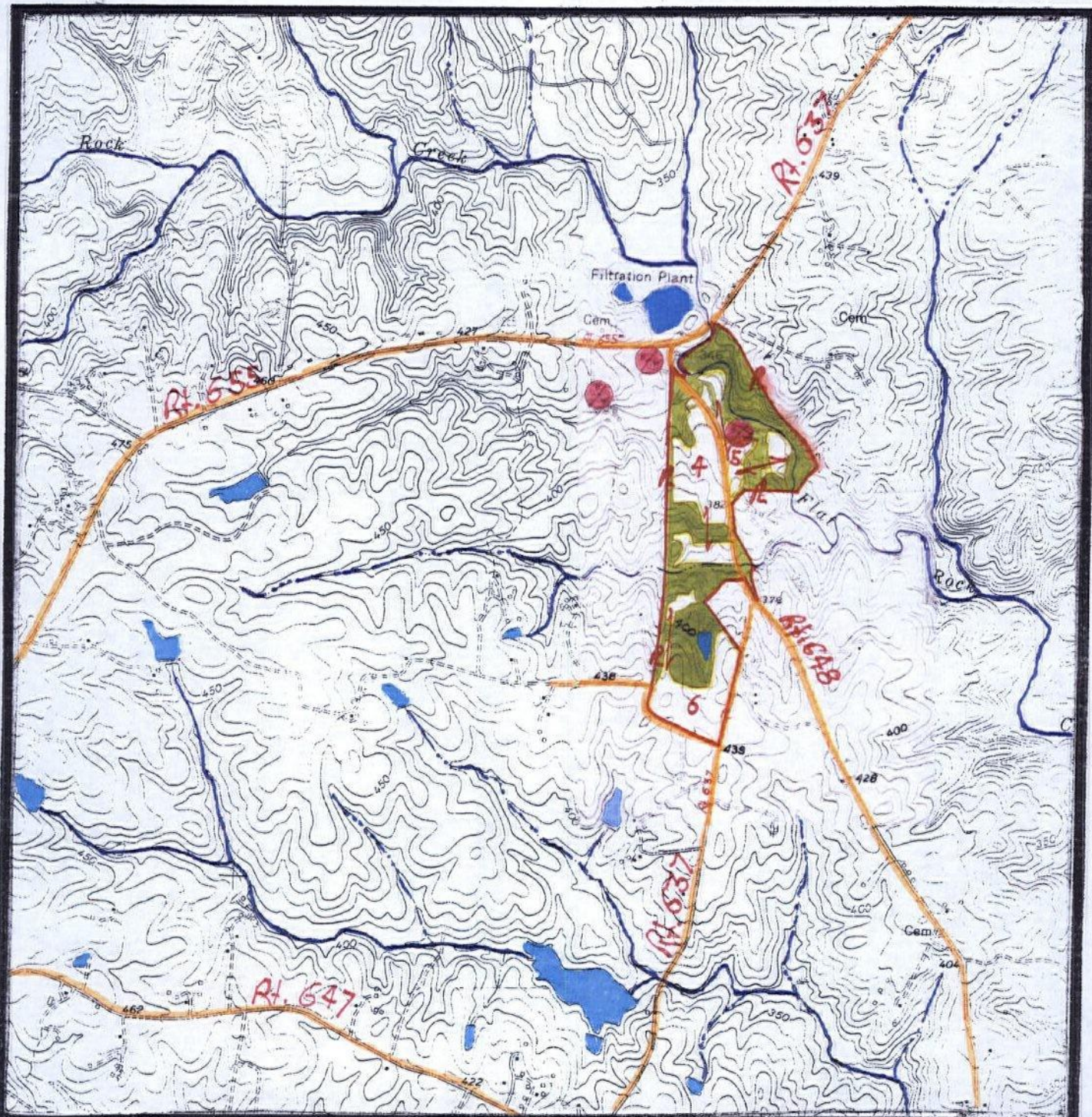
LUTLD 1-3

TOPOGRAPHIC MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

LUTLD 4-6

TOPOGRAPHIC MAP



Date: 3-30-12

Signature: 

Print: George Reynolds